

LOGICAL CIRCUIT DESIGN APPARATUS 50

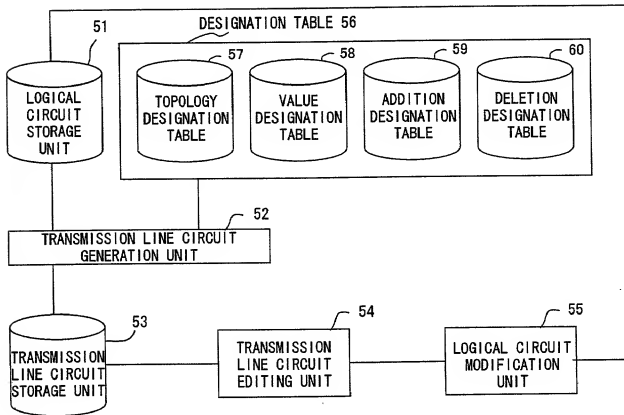
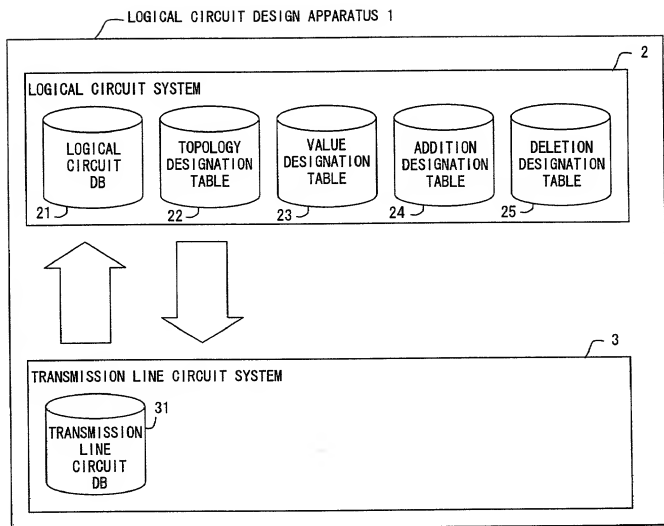


FIG. 1



F I G. 2

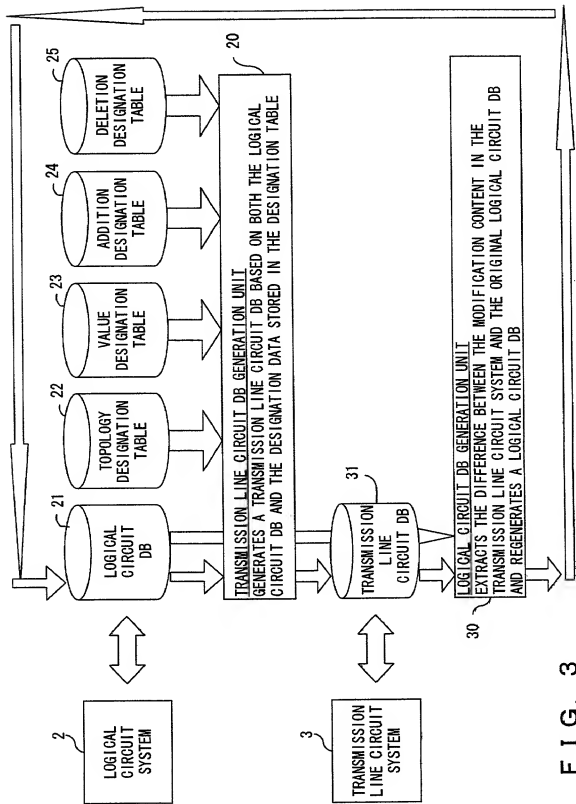
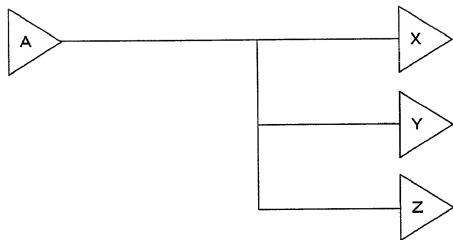


FIG. 3



F I G. 4

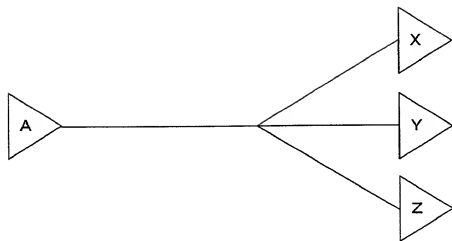
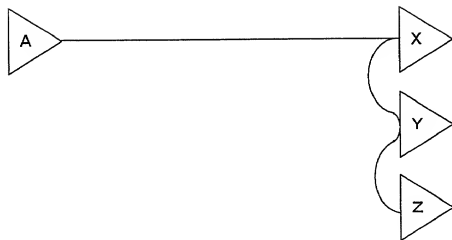
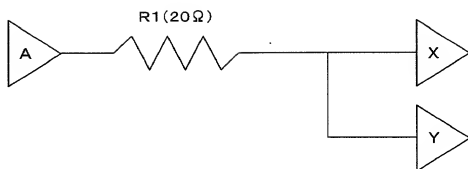


FIG. 5



F I G. 6



F I G. 7

09960001-002101

ITEM NO.	SYMBOL	COMPONENT DESCRIPTION	VALUE
1	R1	RESISTOR	33Ω

F I G. 8

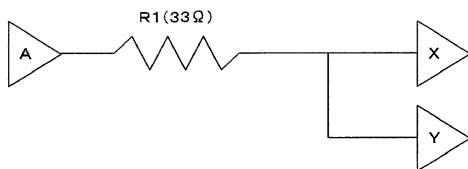
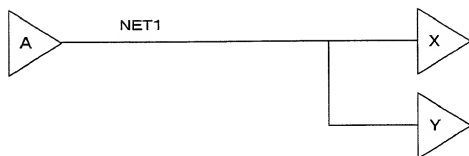


FIG. 9



F I G. 1 0

0095001-00401
10/2007-1055660

ITEM NO.	NET	LOCATION	COMPONENT DESCRIPTION	VALUE
1	NET1	BY THE SIDE OF A	RESISTOR	33 Ω

F I G. 1 1

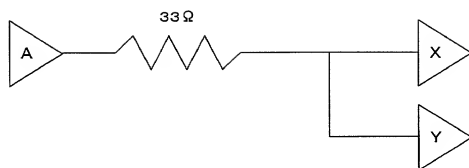
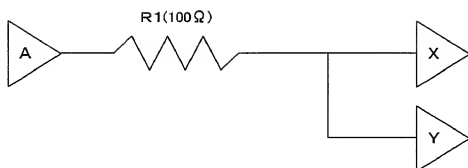


FIG. 12



F I G. 13

0095001-00141

ITEM NO.	SYMBOL
1	R1

F I G. 1 4

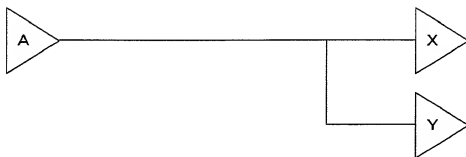


FIG. 15

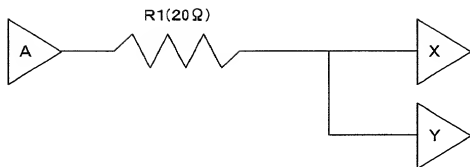
[illegible]

FIG. 16

Author	Year	Country	Sample Size	Study Design	Findings
Smith et al.	2001	USA	1,200	Longitudinal	Increased risk of depression in children of parents with MDD.
Johnson et al.	2003	UK	800	Cross-sectional	Family history of MDD associated with higher rates of anxiety disorders.
Lee et al.	2005	Canada	2,500	Longitudinal	Genetic factors play a significant role in the development of MDD.
Wang et al.	2007	China	1,500	Cross-sectional	Family history of MDD linked to increased risk of bipolar disorder.
Miller et al.	2009	USA	900	Longitudinal	Environmental factors interact with genetic predisposition in MDD.
Chen et al.	2011	Taiwan	1,100	Cross-sectional	Family history of MDD associated with higher rates of substance use.
Nguyen et al.	2013	Vietnam	700	Longitudinal	Family history of MDD linked to increased risk of schizophrenia.
Kim et al.	2015	South Korea	1,300	Cross-sectional	Family history of MDD associated with higher rates of anxiety disorders.
Patel et al.	2017	India	1,400	Longitudinal	Family history of MDD linked to increased risk of bipolar disorder.
Robinson et al.	2019	USA	1,600	Cross-sectional	Family history of MDD associated with higher rates of depression.
Yamamoto et al.	2021	Japan	1,700	Longitudinal	Family history of MDD linked to increased risk of anxiety disorders.

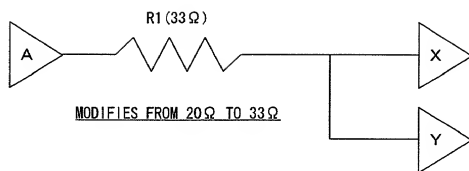
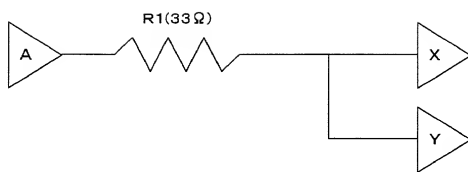
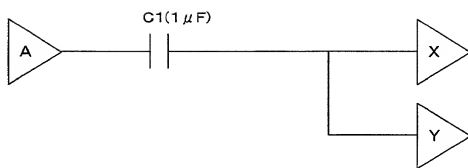


FIG. 17

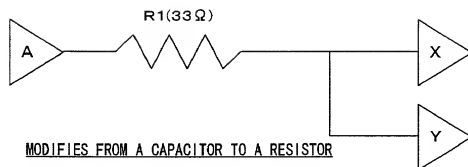


F I G. 1 8

0000001.002401
T07200-T090000



F I G. 19



F I G. 20

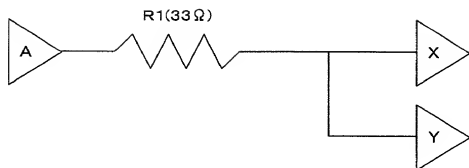


FIG. 21

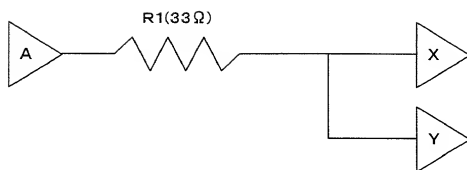
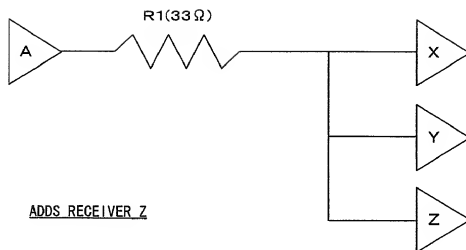
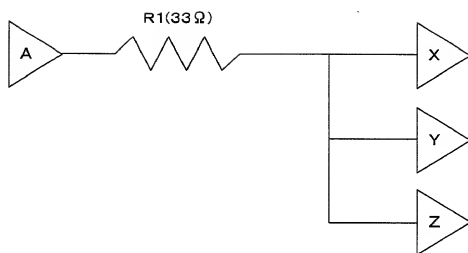


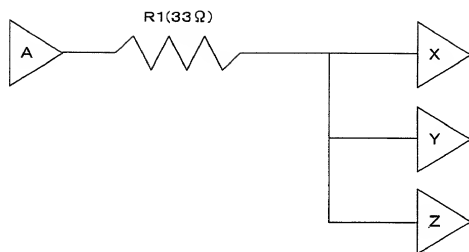
FIG. 22



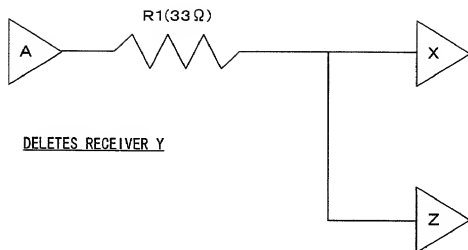
F I G. 23



F I G. 2 4



F I G. 2 5



F I G. 2 6

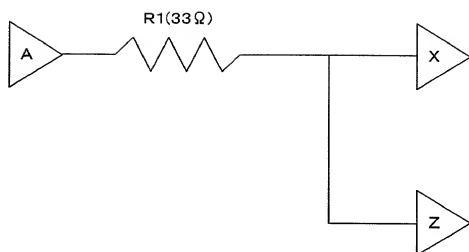


FIG. 27

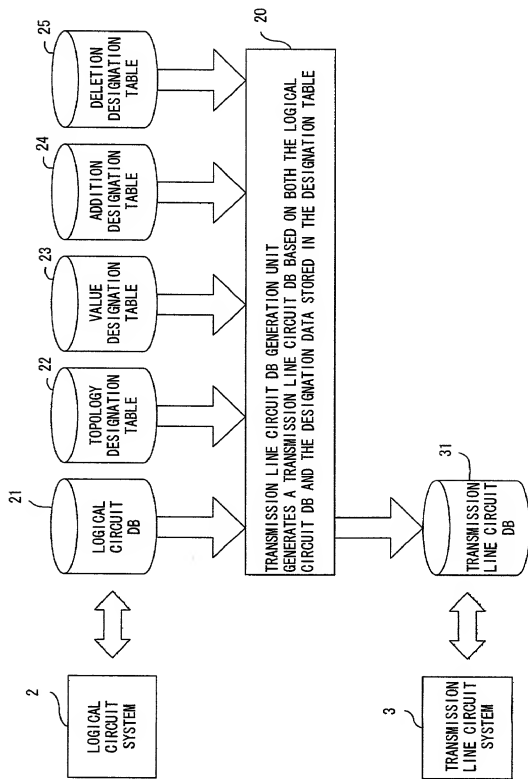


FIG. 28

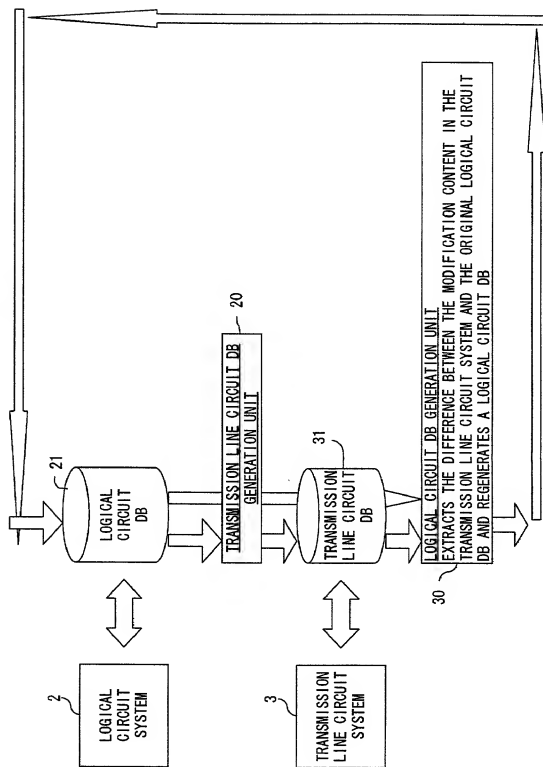


FIG. 29

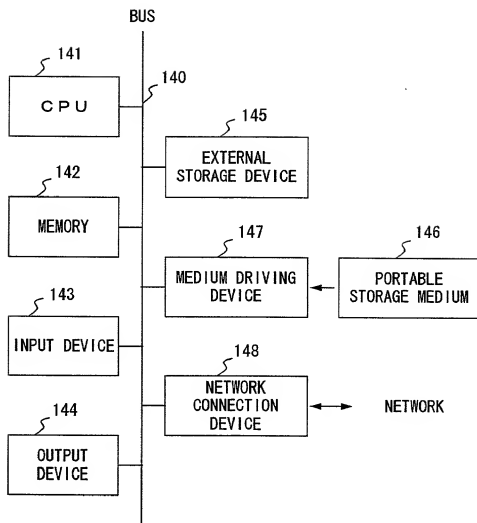


FIG. 30

